

FIGURE 1

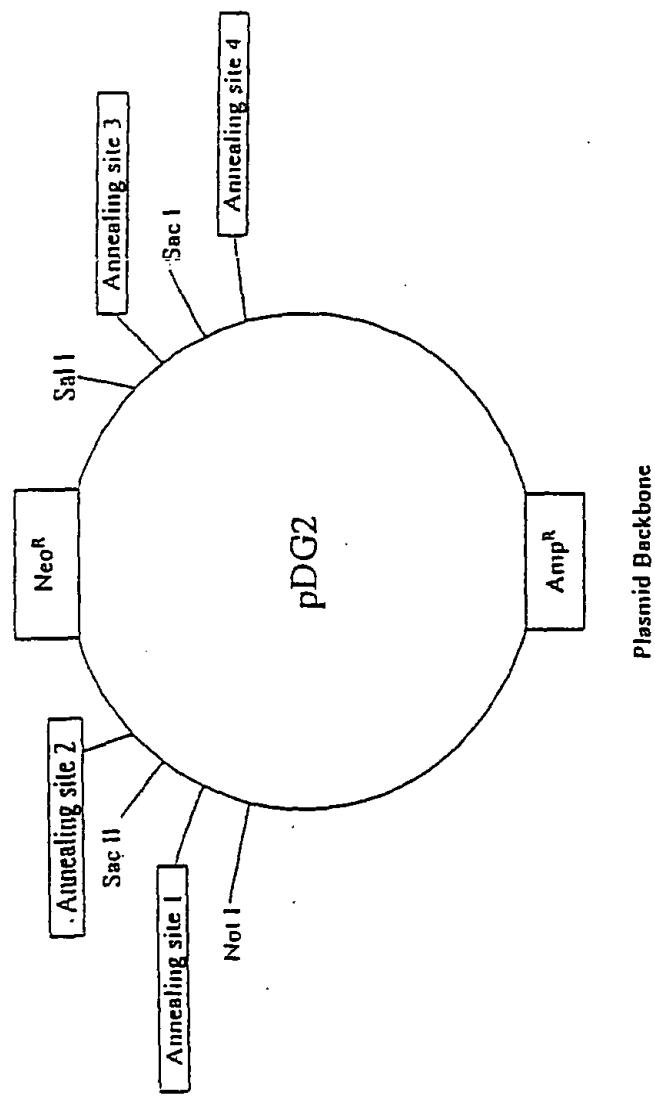


FIGURE 2A

Plasmid Backbone

GTTAACTACG TCAGGTGGCA CTTTCGGGG AAATGTGGC GGAACCCCTA TTGTTTATT TTCTAAATA CATTCAAATA
 TGTATCCGCT CATGAGACAA TAACCCGTAT AAATGCTCA ATAATATTGA AAAAGAAGA GTATGAGTAT TCAACATTC
 CGTGTGCCCT TTATCCCTT TTTGCGCA TTTGCTTC CTGTTTTGC TCACCCAGAA ACGCTGGTGA AAGTAAAAGA
 TGTGAGAT CAGTTGGTG CACGAGTGGG TTACATCGAA CTGGATCTCA ACAGCGTAA GATCCITGAG AGTTTCGCC
 CGGAAGAACG TTCTCCATG ATGAGCACTT TAAAGTCTC GCTATGTGGC GCGGTATTAT CCCGTGTTGA CGCGGGCA
 GAGCAACTCG GTCCCGCGAT ACACATTCTC CAGAATGACT TGGTTGAGTA CTCACCGATC ACAGAAAAGC ATCTTACGGA
 TGGCATGACA GTAGAGAAAT TATGCACTG TGCCATAACC ATGACTGATA ACACATGCGG CAACCTACTT CTGACAACGA
 TCGGAGGACC GAAGGAGCTA ACCGTTTT TGACACATC GGGGATCAT GTAACTCGCC TTGATCGTT GGACCGGAG
 CTGAAATGAG CCATACCAAA CGACCGAGCT GACACCAAGA TGCTGTAGC AATGCCAACA ACGTTGCCA AACTATTAA
 TGGCGAAGTA CTTACTCTAG CTCCCGGC AACTAAATA GACTGGATGC AGGGGGATA AGTGCAGGA CCACCTCTGC
 GCTCGGCCCT TCCGGCTGGC TGTTTATTG CTGATAAATC TGAGGCGGT GAGCGGGGT CTGCGGTAT CATTGCAAGCA
 CTGGGGCCAG ATGGTAAGCC CTCCCGTATC GTAGTTATC ACACCGACGG GAGTCAGCA ACTATGGATG AACGAAATAG
 ACAGATGCTG GAGATAGGTG CCTCACTGAT TAAGCATTTG TAATCTGAG ACCRAAGTTA CTCATATATA CTTAGATTG
 ATTTACCCCG GTTGTATACT AGAAAAGGCC CAAACACGG AAGATTGAT AAGCAAATAT TAAATTGTA AACGTTAATA
 TTTGTTAAA ATTGCGTTA AATTGTTGTT AAATCAGTC ATTTTAAAC CTAGGGCCG AAATCGGCRAA AATCCCTTAT
 AAATCAAAG AATAGCCGA GATAGGGTT AGTGTGTTG CAGTTGGAA CAAGAGTCCA CTATTAAGA ACGTGGACTC
 CAACCTCAA GGGCGAAAAA CCGCTATCA GGGCGATGCC CCAACTACGT ACCATCACCA CAAATCAAGT TTTTGGGGT
 CGAGGTGCCC TAAAGCACTA AATCGGAACCT AAAGGGGAG CCCCCGATT AGAGCTTGAC GGGGAAAGCG AACGTGGCGA
 GAAAGGAGG GAAGGAGCTA AAAGGAGGCC CGCTAGGGC GCTGCAAGT GTAGCGGTCA CGCTGCCGT ACCACACCA
 CCCGGCGC TTAATGCGCC GCTCACAGGGC GCGTAAAGG ATCTAGGTGA AGATCCCTTT TGATAATCTC ATGACCAAA
 TCCCTTAACG TGAGTTTCC TTCCACTGAG CGTCAGACCC CGTAGAAAG ATCAAAGGAT CTTCCTGAGA TCCCTTTT
 CTGCGCGTAA TCTGCTGCTC GCAACACAA AAACCCACCG TACCAAGCGGT GGTTTGTG CCGGATCAAG AGCTACCAAC
 TCTTTTCCG AAGGTAACG GCTCAGCAGC CGAACAGATA CAAACATCTG TTCTCTAGT GTAGCGGTAG TTAGGCCACC
 ACTTCAAGAA CTCTGTAGCA CGCCCTACAT ACCTCGCTT GCTAACTCTG TTACCTAGT CTGCTGCCAG TGGCGATAAG
 TCGTGTCTT CCGGTTGGA CTCAGACGA TAGTTACGGG ATAAGGCCA GGGGCGGGG GTACCGGAC CACCTCCCG
 ACAGCCCAGC TTGGAGCGA CGACCTACAC CGAACTGAGA TACCTACAGC GTGAGCTATG AGAAAGCGCC ACGCTCCCG
 AAGGGAGAAA GGGGACAGG TATCGGTAA GGGCGAGGT CGAACACAGGA GAGCGCACGA GGGAGCTCC AGGGGAAAC
 GCCTGGTATC TTATAGTCC TGTGGGTTT CGCCACCTC GACTTGAGCG TOGAATTG TGATGCTGT CAGGGGGGCG
 GAGCTATGG AAAAACGCCA GCAACCGCCG CTTCTTACGG TTGCTGGCCT TTGCTGGC CTTCTGCTAC ATGAAATGTG
 AGTTAGCTCA CTCACTAGG ACCCCAGGCT TTACACTTA TGCTTCCGGC CTTCTGCGCA CTTCTACTC CTCCCTAGT CAGGAAGTTC
 ACAATTTCAC ACAGAAAACA GCTATGACCA TGATTAGCC AAGCTACGT ATAGACTCA CTAGGGCCG CGCTTTAAC
 AATGTCCTCC TCTTGGCTT GCTTCCCGG GCGAACCGAG ACAAGAACCA GTTGAACGTC AGCTTCCCGG GACCGGTGCT
 AGCGCGCCGCG CGAAATTCTG CAGGATTCCA GGGGCCCTGC AGGTCAATTG TACCGGTAG GGGAGGCGT TTTCCCAAGG
 CAGTCTGGAG CATCGCTT AGCAGCCCCG CTGGCACTTG CGCTACACCA AGTGGCTCT GGCTCGCAC ACATCCACA
 TCCACCGGTA GCGCCAAACCG GCTCCGTCT TTGTTGGCC CTTCTGCGCA CTTCTACTC CTCCCTAGT CAGGAAGTTC
 CCCCCCGCC CGCGCTCGC GTCTGCGAGG AGCTGACCAA TGGAAAGTAGC AGCTCTACT AGTCTCGTGC AGATGGACAG
 CACCGCTGAG CAATGGAAAG GGTAGGCTT TTGGGGCGC GCGCAATAGC AGCTTGGCTC TTGCGCTTTC TGGGCTCAGA
 GGCTGGGAAG GGGTGGGTC GGGGGCGGC TCGAGGGCGC GCTCAGGGC GGGGGGGCG CGAAGGTCTT CCGGAGGCC
 GGCATTCTCG CACCTTCAA AAGCGCACGT CTGCGCGCT TTCTCTCTC TCCCATCTC CGGGCTCTC GACCTGCGAC
 CAATATGGG TCGGCATTC AACAAGATGG ATGCAAGCA GGTTCCTCCG CCGGATGGGT GGAGAGGCTA TCCGGCTATG
 ACTGGGACCA ACAGAAATTC GCGCTCTCG ATGCCCGCTT GTTCCGGCTG TCAGCGCAGG GGCGCCCGGT TCTTTTGTG
 AAGACCGACC TGTCCGGTGC CTCGAATGAA CTGCAAGGAC AGGCAGCGCG GCTATCGTGC CTGCGCAGCA CGGGCGTCTCC
 TTGCGCAGCT GTGCTGAGC TTGTCACTGA AGCGGGAAAG GACTGGCTGC TATGGGGCA AGTGCCTGGG CAGGATCTCC
 TGTCACTCA CCTGCTCTC GCGGAGAAAG TATCCATCAT GGCTGATGCA ATGCGCGCC TGCATACGCT TGATCCGGCT
 ACCTGGCCAT TCGACCCACA AGCGAACAT CGCGATCGAG GAGCACGTC TCGGATGAA GCGGGCTCTG TGATCACGGA
 TGATCTGGAC GAAGACATC AGGGGCTCGC GCGAGCGAA CTGTTGCGCA GGCTCGAGC GCGCATGCC GACGGCGATG
 ATCTCGCTGT GACCCATGGC GATGCGCTG TGCGGAATAT CATGGTGGAA ATGGCCCTT TTCTGGAAT CTCGACTGT
 GGCGCGCTGG GTGTTGGGGA CGCGTATCAG GACATAGCG TGGTACCCG TGATATTGCT GAAGAGCTT GCGGCGAATG
 GGCTGACCGC TTCTCGTGC TTACGGTAT CGCCGCTCC GATTCGCGAGC GCTACGCTT CTATCGCTT TTGACGGAGT
 TCTTCTGGAGG GGATCGATCC GTCTGTAAAG TCTGCAAGAA TTGATGATC ATAAACAT AGAGATGTC ACIAAAATGG
 AAGTTTCTC TGTCACTT TGTAAAGAAG GGTGAGAAC GAGTACCTAC ATTTGATG AGAGGATGG AGCTACGGGG
 GTGGGGGTGG GGTGGGATTA GATAATGCC TGCTCTTAC TGAAGGCTCT TTACTATTGC TTATGATAA TGTTCTATAG
 TTGGATATCA TAATTTAAC AAGCRAAACC AAATTAAGGG CGACGCTCATT CCTCCCACTC ATGATCTATA GATCTATAGA
 TCTCTGGG GATCATGTT TTCTCTTGA TTCCACCTT GTGGTCTAA GTACTGTGGT TTCCAAATGTT GTCAGTTCA
 TAGCCTGAAG AACGAGATCA CGACGCCCTG TTCCACACAT ACTCTTACCTC CAGTATGTT TTGCGCAAGT CTAAATCCAT
 CAGAACGCTGA CTCTGATCT GGATCCGGCC AGCTAGGGCG TCGACCTCGA GTGATCAGGT ACACAGGTC TCGCTCTGTG
 TCCGTTGAGC TCGACGACAC AGGACACGCA AAATTAATTA GGGCGGCCCG TACCTCTAG TCAAGGCTT AASTGAGTCG
 TATTACCGAC TGGCCCGTGT TTACACAGT CGTACTGGG AAACCCCTGG CGTACCCAA CTTAATGCCG TTGCGCACCA
 TCCCCCTTCG GCCACGCTGC GTAAAGCGA AGAGGCCCGC ACCGATCGCC CTTCCAAACA GTGCGCAGC CTGAATGGCG
 AATGGCGCTT CGCTTGGTAA TAAGGCCGC TTGGGGGGC TTTTTT

FIGURE 2B

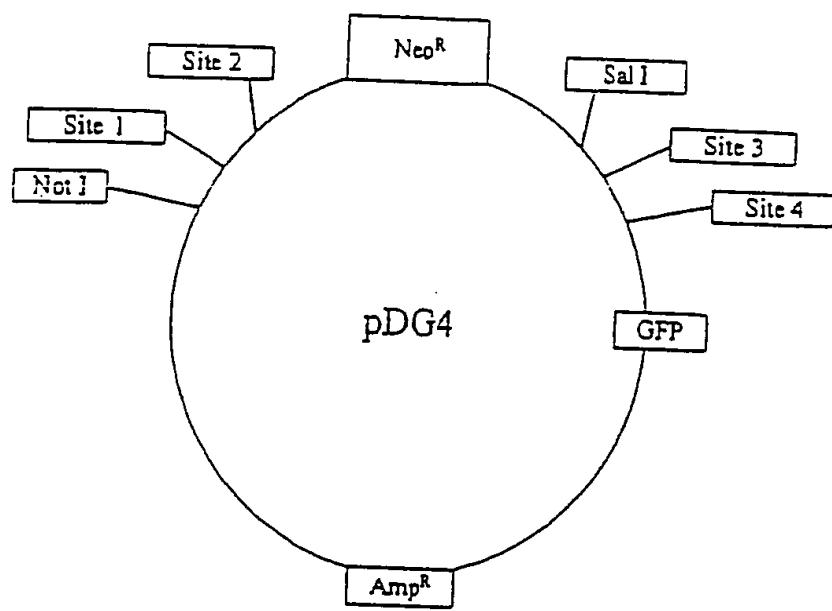


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCTTAA GTTCATAGCC CATATATGGG GTTCCCGT ACATAACTTA CGGTAATGG
 CCCGCTGGC TGACCGCCCA ACGACCCCG CCGATTGAGC TCAATAATGA CGTATGTTCC CATAGTAACG CCAATAGGG
 CTTTCAATG ACGTCAATTG GTGGAGTATT TACGGTAAAC TGCCCACTTG CGAGTACATC AAGTGTATCA TATGCCAAGT
 ACGCCCCCTA TTGACGTCAA TGACGGAAAAA TGCCCCCTT GGCAATTAAAGC CCGAGTACATG ACCTTATGGG ACTTTCCAC
 TTGGCAGTAC ATCTACGTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTGGCAGTA CATCAATGGG CGTGGATAGC
 GGTGACTC ACGGGGATT CCAAGTCTCC ACCCCATTGA CGTCAATGGG AGTTTGTTT GGCACCAAAA TCAACGGGAC
 TTCCAAAAT GTCTAAACAA CTCCGCCCCA TTGACGCAAAGG CGGTGACGG TAGGGGAGGTT GGGGAGGTCT ATATAAGCAG
 AGCTGGTTTA GTGAACCCTC AGATCCGCTA GCGCTACCGG TGCCACCATG GGTGAGCAAG GGCAGGGAGC TGTTACCGG
 GGTGGTGCCTT ATCTGGTGC AGCTGGACGG CGACGTAACAGG CGAGCTGTC CGGGGAGGGC GAGGGGATG
 CCACCTACGG CAACTGACCTG CTGAAAGTTC CGTGCACCC CGCGAACCTG CGCGTGCCTT GGCACACCC CGTGCACCC
 CTGACCTACGG CGGTGCACTG CTTCAGCCGC TACCCGGACCG ACATGAAGCA CGACGACTTC TTCAAGTCCG CGATGGCCG
 AGGCTACGTC CAGGAGCGCA CCATCTCTT CGAGGACGAC GCGAACTACA AGACCCCGC CGAGGTGAAG TTGAGGGG
 ACACCTGCTG GAAACCGCATG GAGCTGAGGG GCATGACTT CAAGGAGGAC GCGAACATCC TGGGGCACAAAG GCTGGAGTAC
 AACTACAACCA GCGCACACATC CTATATCATG CGACGACAGG AGAAGAACCG CATGAGTGC AACTCAAGA TCCGCCACRA
 CATGAGGAC CGCAGCGTC AGCTCGCCG CGAACACCC CGACGACCG CGGGCCGTT CGTGCACCC
 ACACCAACTA CCTGAGGACG CAGTCGGCC TGAGCAAAGA CGCCAAAGG AAGCGCGATC ACATGGTCT GCTGGAGTTC
 GTGACCGCC CGGGGATCAC TCTCGGCATG GCGAGCTGT ACAAGTCCGG ACTCAGATCC ACCGGATCTA GATAACTGAT
 CATAATCAGC CATAACCATG TTGAGGTTT TTACTTGCT TTAAAAAAAC CGCCACACCTT CCCCCTGAAC CTGAAACATA
 AATGAATGC AATTGGTTGT GTTAACTTGT TTATGCGC TTATAATGGT TCAAATAAA GCAATAGCAT CACAATITC
 ACAATAAAG CATTTCCTT ACTGCAATTCT AGTTGTTGT TTGCTAAACT CATCAATGTA TCTTAACCGG AACTACGTC
 GGTGGCATT TTGGGGAAA TGTCGCGGA ACCCCTATTG TTAAATACAT TCAAATATGT ATCCGCTCAT
 GAGACAAATAA CCTGATAATAA TGCTTCATAA ATATTGAAA AGGAAGAGTA TGAGTATTC ACATTTCCGT GTGCCCTTAA
 TTCCCTTTTG TGCGGATTT TGCTTCCTG TTGCTTCATAA CGCAGAAACCG CGGGTGAAG TAAAAGATGC TGAAGATCAG
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 GCGGCATACA CTATCTCAG AGTACTTGG TTGAGTACTC ACCAGTCACA GAAAAGCATC TTACGGATGG CATGACAGTA
 AGAGAATTAT GCGATGCTGC CATAACCATG AGTGTAAACG CTGCGGCCAA CTTACTCTG ACACGATCTG GAGGACGGAA
 GGAGCTAACCG CTTTCTTGC ACACATGGG GGATCATGTA ACTCGCCCTG ATCGTTGGGA ACCGGAGCTG AATGAAGCCA
 TACAAACGA CGAGCGTGC ACCACCGATGC CTGAGCACTG GCGAACACAG TTGCGCAAAC TATTAACCTGG CGAAGTACTT
 ACTCTAGCTT CCCGGAAACA ATTAATGAGC TGAGTGGAGG CGGATAAAAGT TGCAAGGACCA CTTCCTGCGCT CGGCCCTTCC
 GGTGGCTGG TTATGCTG ATAATCTG AGCCCGTGA CGTGGGTTGCG CGGGTATCAT TGCGACACTG GGGCCAGATG
 GTAAAGCCCTC CGGTATGTA GTTATCTACA CGACGGGGAG CGAGGCAACT ATGGATGAAAC GAAAAGACA GATGCGTGG
 ATAGGTGCTT CACTGATTAA GCATGGTAA CTGTCAGACT AAGTTTACTC ATATATACTT TAGATTGATT TACCCCGTT
 GATAATCAGA AAAGCCCCAA AAAACAGGAAG ATTGTATAAG CAAATATTTA ATTTGAAAAT GTTAAATAATT TGTTAAATT
 CGGGTAAAT TTGTTAAACCA TCACTCTGCT TTGAGCCAAA TCGGCAAAT CCCTTATAAA TCAAAGAAAT
 AGCCCGAGAT AGGGTGGAGT TTGTTCTCAG TTGAGAACAA GAGTCCACTA TTTAAAGACG TGGACTCCAA CGTCAAAGGG
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 GAAAGCGGAA GGAGCGGGCG CTAGGGCTG CGGAGTCAG CGGGTCAACG TGCGGTTAAC CACCCACCCC GCGCGCCTTA
 ATGCGCCGT ACAGGGCGG TAAAGGATC TAGGTGAAGA CGCTTCTGTA TAAATCTGAT ACCAAATCTC CTTAACGTGA
 GTTTCTGTC CACTGAGCTG CAGACCCCGT AGAAAGATC AAGGGATCTT CTTGAGATCC TTTTTCTG CGCGTAATCT
 GGTGCTGCA AACAAAAAA CCACCGCTAC CAGCGGTGGT TTGTTGCGG GATCAAGAGC TACCAACTCT TTTCCGAAG
 GTAGTCTGCT CGGTTCTGC CGACTCTGAC AACTCTGTC TTCTAGTGTG CGCTTAGTGA CGCCACCAACTC TCAAGAACCTC
 TGTAGCACCG CCTACATACG TCGCTCTGCT AATCTCTGTA CGAGTGGCTG CGTCCAGTGG CGATAAGTGTG TGTCTTACCG
 GTTGGACTC AAGACGATAG TTACCGGATA AGGGCCAGGG CGTGGGGCTGA ACGGGGGGTT CGTGCACACA GCCCAGCTG
 GAGCGAACGA CCTACACCGA ACTGAGATAC CTACAGCGTG AGCTATGAGA AGGCCACCG CTTCCCGARG GGAGAAAGGC
 GGACAGGTAT CGGGTAAAGCC GCAAGGGCTG AACAGGAGAG CGCACCGAGGG AGCTTCCAGG GGGAAACCCC TGGTATCTT
 ATAGTCTGCT CGGGTTCTGC CACTCTGAC TTGAGCTG TGTTGCTG ATTTTGTGA TGCTCGTCA CGGGGCGGGAG CCTATGGAAA
 AACGCCAGCA ACGGGGCTT TTACGGTTTC CTGGGCTTT GTGCGCTTT TGCTCACATG TAATGTGAGT TAGCTCACTC
 ATTAGGCACC CGAGGCTTAA CACTTATGC TTCCGGCTCT TAATGTTGTG GGAATTGTTGA CGGATAAACCA ATTTCACACA
 GGAAACAGCT ATGACCATGA TTACGCCAAG CTACGTAATA CGACTCACTA GGCGGCCCGG TTAAACACAT GTGCTCTCT
 TTGGCTTGTGCT CGGGGGGGCC AAGCCAGACG AGAACCTGTA GACGTCAGG TTCCGGGACG CGGTGCTAGC GGCGCGCCGA
 ATTCCTGAG GATTCGGGGG CGGGTGGAGG TCAATTCTAC CGGGTGGAGGG AGGGCTTTT CCAAGGAGAG TCTGGAGCAT
 GCGCTTCTGC AGCCCCCTG GCACTTGGCG CTACACAACTG GGCGCTGCG CGCGCACACA TTCCACATCC ACCGGTAGCG
 CCAACCGGCT CGGTCTTGTG GTGGCCCCCTT CGGGCCACCT TCTACTCTC CGCTAGTCAAG GAGTTCCCC CCCGCCCCGC
 AGCTCGCGTC GTGCAAGGACG TGACAAATGG AAGTGAACG TCTCACTGTT CGTGCAGAAG GGAACAGCAC CGCTGAGCAA
 TGGAAGCGGG TAGGGCTTTC GGGCAGCGGC CAATAGCAGC TTGCTCTCTT CGCTTCTGG GCTCAGAGGC TGGAAGGGG

FIGURE 3B1

TGGGTCCGGG GGCGGGCTCA GGCGGGGCT CAGGGCGGG GCGGGCCGGA AGGTCCTCCC GAGGCCCGGC ATTCTCGCAC
 GCTCAAAAG CGCACCGCTG CCGCGCTGTT CTCTCTTCC TCACTCTCCG GCCTTCGAC CTGCAGCCAA TATGGATCG
 GCCATTGAAAC AAGATGGATT GCACGCAAGT TCTCCGGCGG CTGGGTGGA GAGGCTATTG GGCTATGACT GGGCACACAA
 GACAATCGGC TGCTCTGATG CCGGGCTGTT CCGGCTGTCA GCGCAGGGGC GCGGGTTCT TTTTGTCAAG ACCGACCTGT
 CGGGTCCCCCT GAATGAACTG CAGGACGGAG CAGGGCGGGT ATCGTGGCTG GCACCGACGGG CGGTCCCTTG CCCACSTGTG
 CTCGACGTTG TCACTGAAGC GGGAAAGGGAC TGCGTGTAT TGGCGAAGT GCGGGGGCAG GATCTCCGT CATCTCACCT
 TGCTCTGCG GAGAAATGAT CCATCATGGC TGATGCAAG CGCGGGCTGC ATACGCTTGA TCGGCTTAC TGCCCATTCG
 ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAAGCC GGTCTTGTGAT ATCAGGATGA TCTGGACGAA
 GAGCATCAGG GGCTCGGGCC AGCCGAACCTG TTGCCCAGGC TCAAGGGCGG CATGCCGAC GGCATGATGAC TCGTCGTGAC
 CCATGGCGAT GCCTGCTTGC CGAATATCAT GGTGGAAAAT GCGGGCTTTT CTGGAITCAT CGACTGTGGC CGGCTGGGTG
 TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCGCTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCGCTTC
 CTCGTCTTT ACGGTATCGC CGCTCCCGAT TCGCAGCGCA TCGCCCTCTA TCGCCCTCTT GACGAGTTCT TCTGAGGGGA
 TCGATCCGTC CTGTAAGTCT GCAGAAATTG ATGATCTATT AAACAATAAA GATGTCCACT AAAATGGAAAG TTTTCTGT
 CATACTTGT TAAGAAGGGT GAGAACAGAG TACCTACATT TTGAATGGAA GGATGGAGG TACGGGGGTG GGGGTGGGGT
 GGGATTAGAT AAATGCTTGC TCTTACTGA AGGCTCTTCA CTATTGCTTT ATGATAATGT TTCTAGTTG GATATCATAA
 TTTAACACAG CAAACCAAAT TTAAGGGCA GCTCTTCTTCC CCGACTCATG ATCTATAGAT CTATAGATCTT CTCTGAGGAT
 CATTGTTTT CTCTGATTC CCACCTTGTG TTGCTAAGTA CTGTGGTTT CAAATGTGTC AGTTTCTAG CCTGAAGAAC
 GAGATCAGCA GCCTCTGTC CACATACACT TCAATTCTAG TATTTGTTTG CCAAGTTCTA ATTCATCAG AAGCTGACTC
 TAGATCTGGA TCCGGCCAGC TAGGCCGTG ACCTCGAGTG ATCAGGTACC AAGGTCTCG CTCTGTGTCC GTTGAGCTCG
 ACGACACAGG ACACCAAAT TAATTAAAGGC CGGCCCTAC CCTCTAGTCA AGGGCTTAAAG TGAGTCGTAT TACGGACTGG
 CGCTCGTTT ACAACGTCGT GACTGGAAA ACCCTGGCT TACCCRACTT AATCGCTTGC CACACATCC CCCCTTCGCC
 AGCTGGCGTA ATAGCGAAGA GGCCCGCACC GATCGCCCTT CCCAACAGTT GCGCAGCTG AATGGCGAAT GCGCTTCGC
 TTGGTAATAA AGCCCGCTTC GGCGGGCTTT TTTT

FIGURE 3B2

Annealing site	Sequence	Sequence after digestion
1	5': tgtgtctctttggcttgtttccaa... 3': acacggagagaaccggaaacggaa... 5':	5': tgtgtctctttggcttgtttccaa... 3': ctgggttgttgttgttgttgttgtt... 5':
2	5': ctgggttgttgttgttgttgttgtt... 3': gaccaaggaaacagaccggaaaccgggtt 5':	5': ctgggttgttgttgttgttgttgtt... 3': ttgttgttgttgttgttgttgttgtt... 5':
3	5': ggtccctcgctctgtgttgtgttgtt... 3': ccaggaggcagacacaggcaactt... 5':	5': ggtccctcgctctgtgttgtgttgtt... 3': ttgttgttgttgttgttgttgttgtt... 5':
4	5': ttgttgttgttgttgttgttgttgtt... 3': aaacggacacaggacacaggcagctt... 5':	5': ttgttgttgttgttgttgttgttgtt... 3': ttgttgttgttgttgttgttgttgtt... 5':

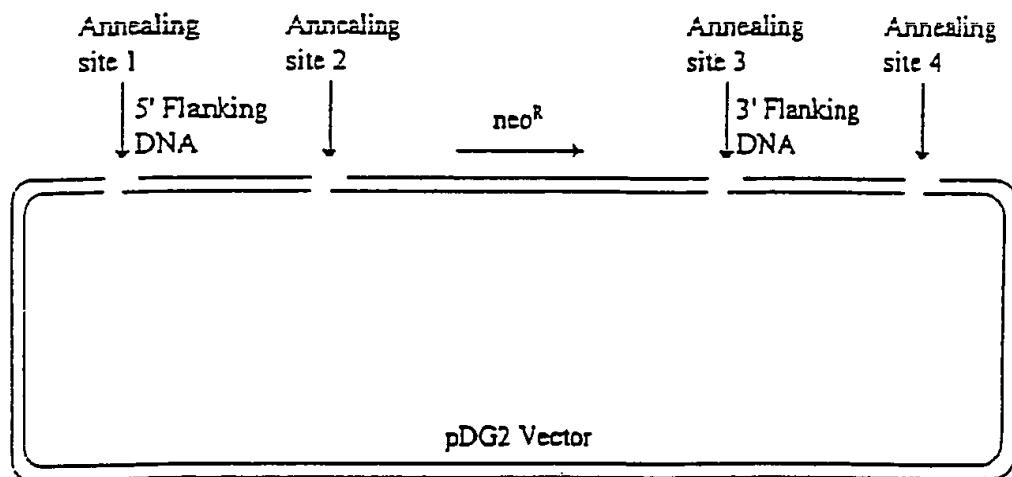
FIGURE 4

Annealing site	Sequence	Sequence after digestion	
1	5' AAtgtgctctttggcttgcttCCGC 3'	5' AA	3' Ttacacgaggagaacccgaaacggg
	3' Ttacacgaggagaacccgaaacggg	3' AA	3' Ttacacgaggagaacccgaaacggg
2	5' AActggttcttgtctggcttggCCGC 3'	5' AA	3' Ttgaccaaggaaacagaccggg
	3' Ttgaccaaggaaacagaccggg	3' AA	3' Ttgaccaaggaaacagaccggg
3	5' AAggtcctcgctctgtgtGAGCT 3'	5' AA	3' Ttccaggaggacacaggcaac
	3' Ttccaggaggacacaggcaac	3' AA	3' Ttccaggaggacacaggcaac
4	5' AAttgcgtgtctgtcggtGAGCT 3'	5' AA	3' Ttaaacgcacaggacacaggc
	3' Ttaaacgcacaggacacaggc	3' AA	3' Ttaaacgcacaggacacaggc

FIGURE 5

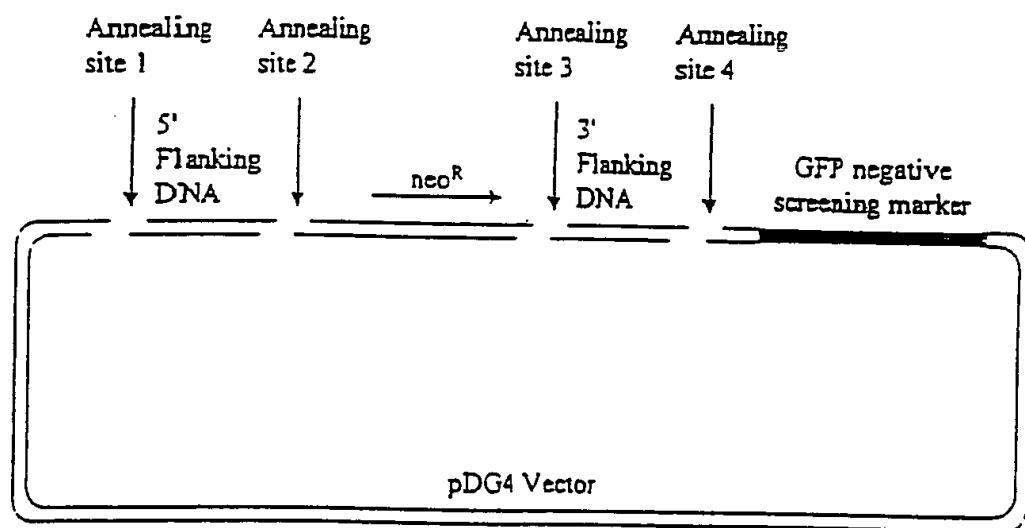
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FIGURE 6



10/11

FIGURE 7



<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgcctctttggcttgcctccATTAAACCTCACTAAAGGGAACGAAAT
463	ctggttcttgcgttggccaaTGCAACAGGTTCTGAGCGGTCA
464	ggtcctcgctctgtgtccgttggaaCCTCAAGCTGGCCTACTATGCCTAT
42	tttgcgtgtccgtgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTGGAAC
155	GTTCTGGCAAACAAATTGGCGCAC
454	tgtgcctctttggcttgcctccATTAAACCTCACTAAAGGGAACGAAAT
465	ctggttcttgcgttggccaaGTTCCAAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttggaaGTGCCCGAATTGTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTCT
41	tgtgcctctttggcttgcgttggaaCGACTAATACGACTCACTATAGGGCG
38	ctggttcttgcgttggccaaGAAGTAACCTGGCACACCAAGGTT
40	ggtcctcgctctgtgtccgttggaaAGAACAAAGGGTTCAGCCAAAGTT
37	tttgcgtgtccgtgtcgAAITAACCTCACTAAAGGGAACGAAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCACTAGACAGCGATGGAACG
445	GACAAAGAACCAAGTTGACGTCAAGCTTCCCGGGACGGCGTGTAGCGGGCGCGCG
667	ctggttcttgcgttggccaaGGCCCAGTAGTAGGAGATCGGGCAT
668	ggtcctcgctctgtgtccgttggaaCGTTCCATCGCTGTCTACTATGACA
907	ctggttcttgcgttggccaaAAAGCCGACAGCCACGCTCACAGC
908	ggtcctcgctctgtgtccgttggaaGCCCAATGCCACAGAGACAGAATGT
1157	ctggttcttgcgttggccaaGTTGGATCTCTCAAGGCCCCATCT
1158	ggtcctcgctctgtgtccgttggaaCTCCAGTGGCGAGTGTGTGGGACAG

Figure 8